

Lismagratty, Cootehill Road, Cavan

Tel: 1890 66 33 33 Fax: 049 4380039

eMail: info@mcbreenenvironmental.ie

Web: www.mcbreenenvironmental.ie

TESTING OF FOUL NETWORK

Client: INDAVER IRELAND

Project number: 284

Project:

Start of project: 2021/04/15 11:03:50 AM

Principale cont.:

Last change: 2021/04/20 03:53:14 PM

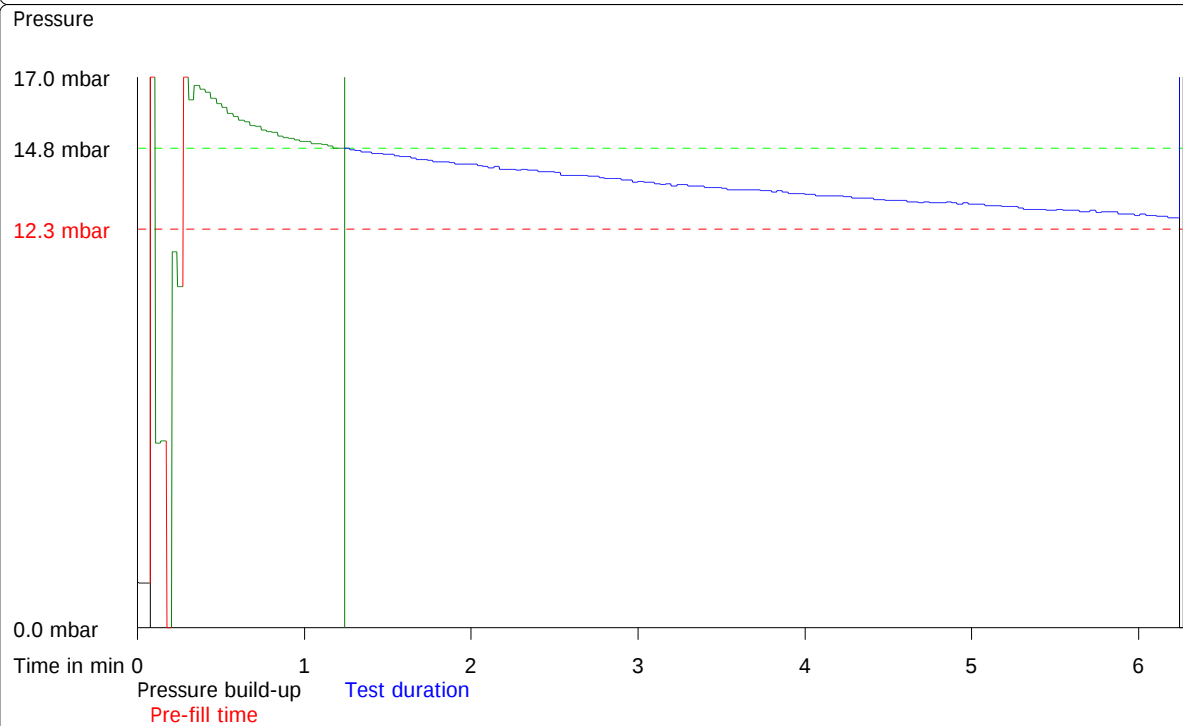
Order no.: 284 Test no.: 1



- Lismagratty, Cootehill Road, Cavan - Tel : 1890 66 33 33

Client:
INDAVER IRELAND

Pressure test report Pipe - Air/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F1.00
Tester	: COLIN FITZPATRICK	to manhole	: F1.01
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 50.5 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 11:27:16 AM	Diameter	: 150 mm
Test method	: Air/EN 1610	Pipe no.	: F1.00
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 14.8 mbar	Pre-fill time	: 1:10 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -2.1 mbar	Result	: Passed

Testing contractor

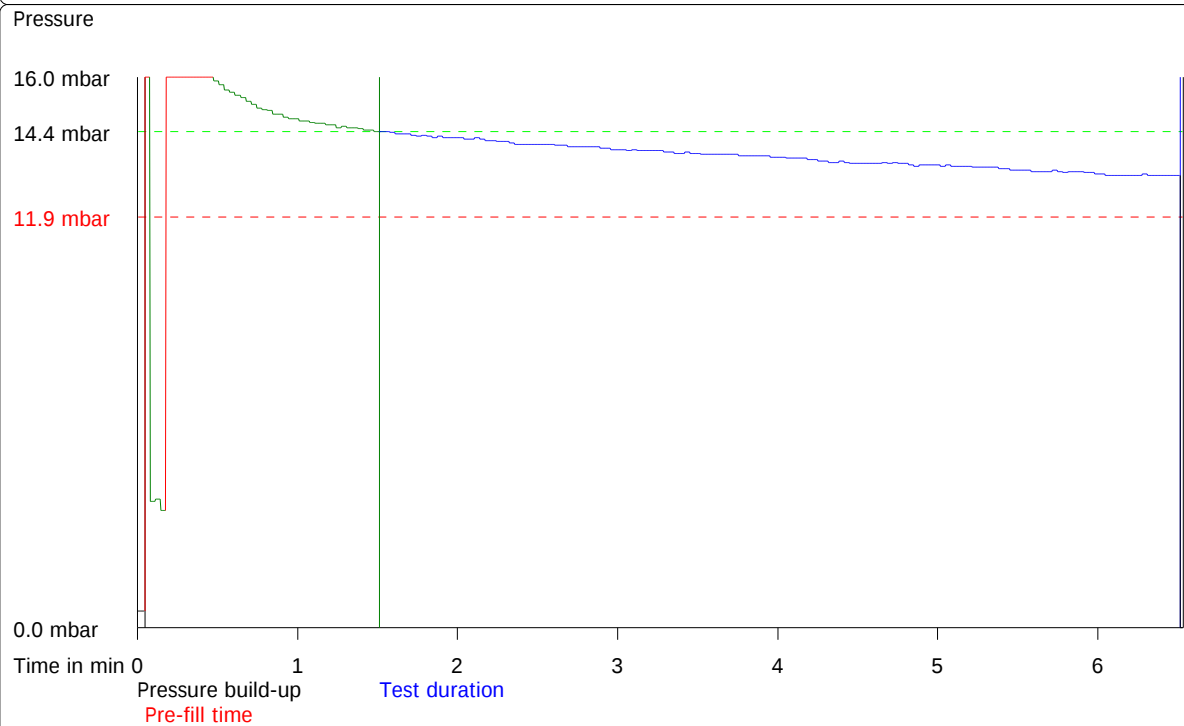
Client



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Client:
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Pressure test report Pipe - Air/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F1.02
Tester	: COLIN FITZPATRICK	to manhole	: F1.01
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 68.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 11:56:01 AM	Diameter	: 150 mm
Test method	: Air/EN 1610	Pipe no.	: F1.02
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 14.4 mbar	Pre-fill time	: 1:28 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -1.3 mbar	Result	: Passed

Testing contractor

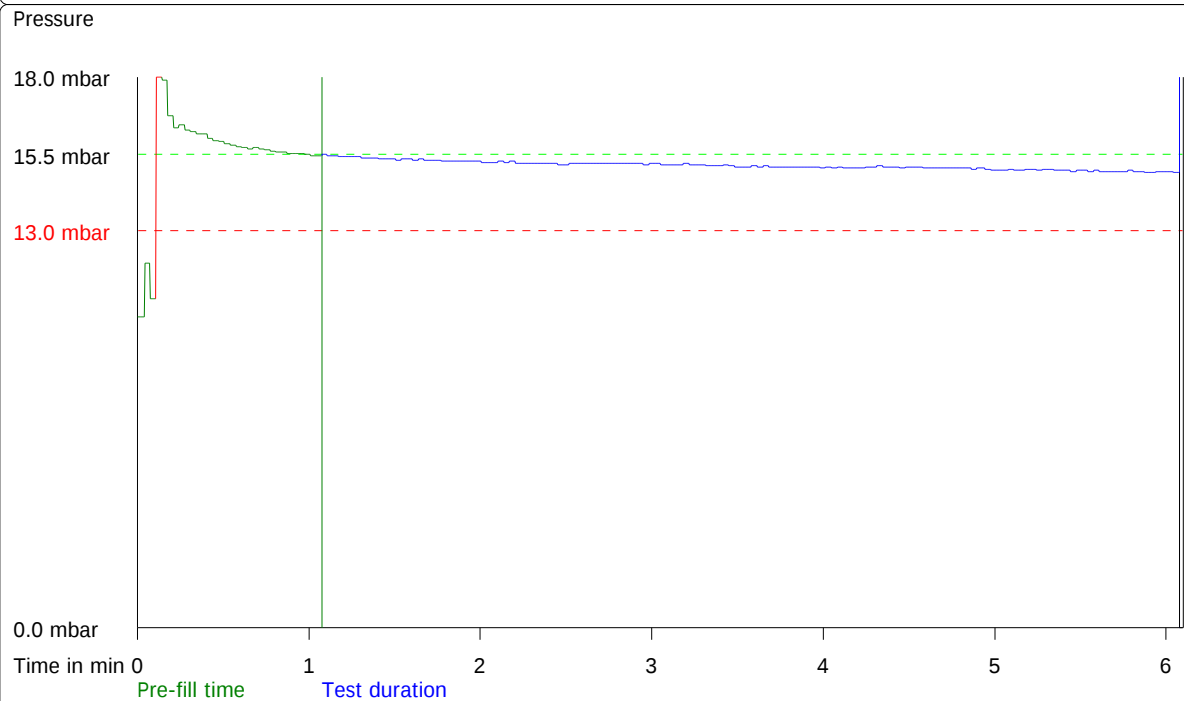
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Pressure test report Pipe - Air/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F1.03
Tester	: COLIN FITZPATRICK	to manhole	: SEPTIC TANK 1
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 3.7 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 12:06:40 PM	Diameter	: 150 mm
Test method	: Air/EN 1610	Pipe no.	: F1.03
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 15.5 mbar	Pre-fill time	: 1:05 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -0.6 mbar	Result	: Passed

Testing contractor

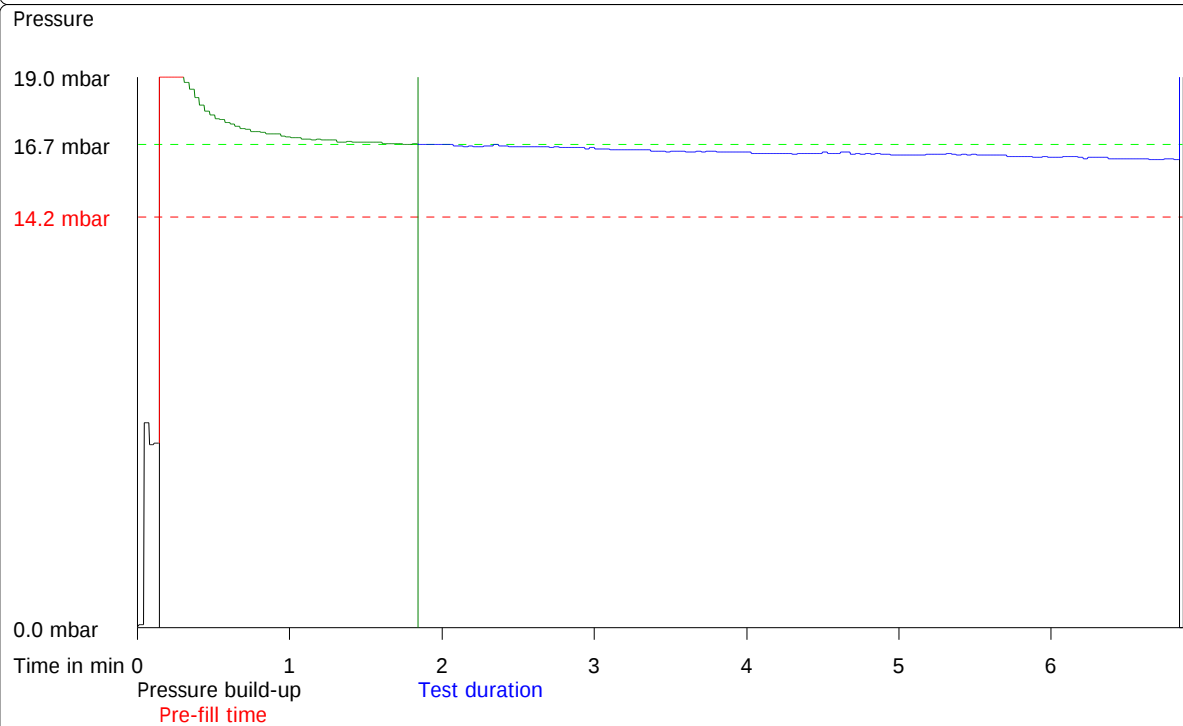
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Pressure test report Pipe - Air/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F1.03
Tester	: COLIN FITZPATRICK	to manhole	: F1.02
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 43.5 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 12:31:52 PM	Diameter	: 150 mm
Test method	: Air/EN 1610	Pipe no.	: F1.03
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 16.7 mbar	Pre-fill time	: 1:42 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -0.6 mbar	Result	: Passed

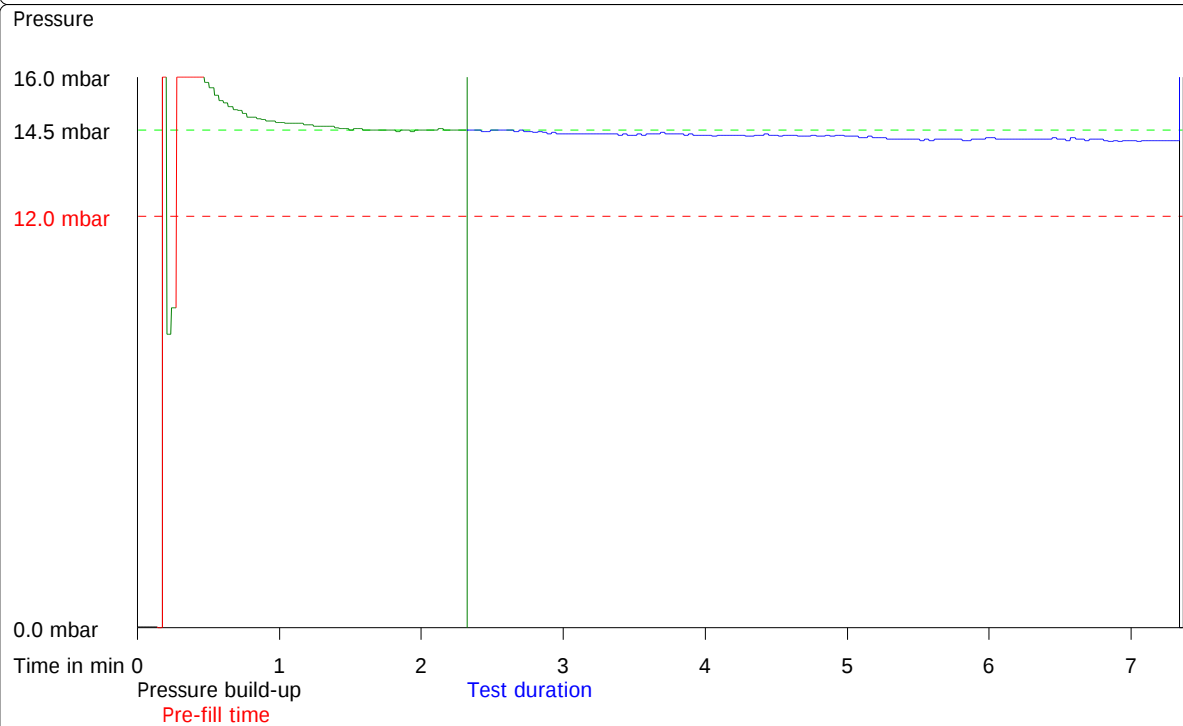
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Client:
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Pressure test report Pipe - Air/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F1.03
Tester	: COLIN FITZPATRICK	to manhole	: F2.02
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 16.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 12:58:55 PM	Diameter	: 150 mm
Test method	: Air/EN 1610	Pipe no.	: F1.03
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 14.5 mbar	Pre-fill time	: 2:09 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:02 min
Act. pressure loss	: -0.3 mbar	Result	: Passed

Testing contractor

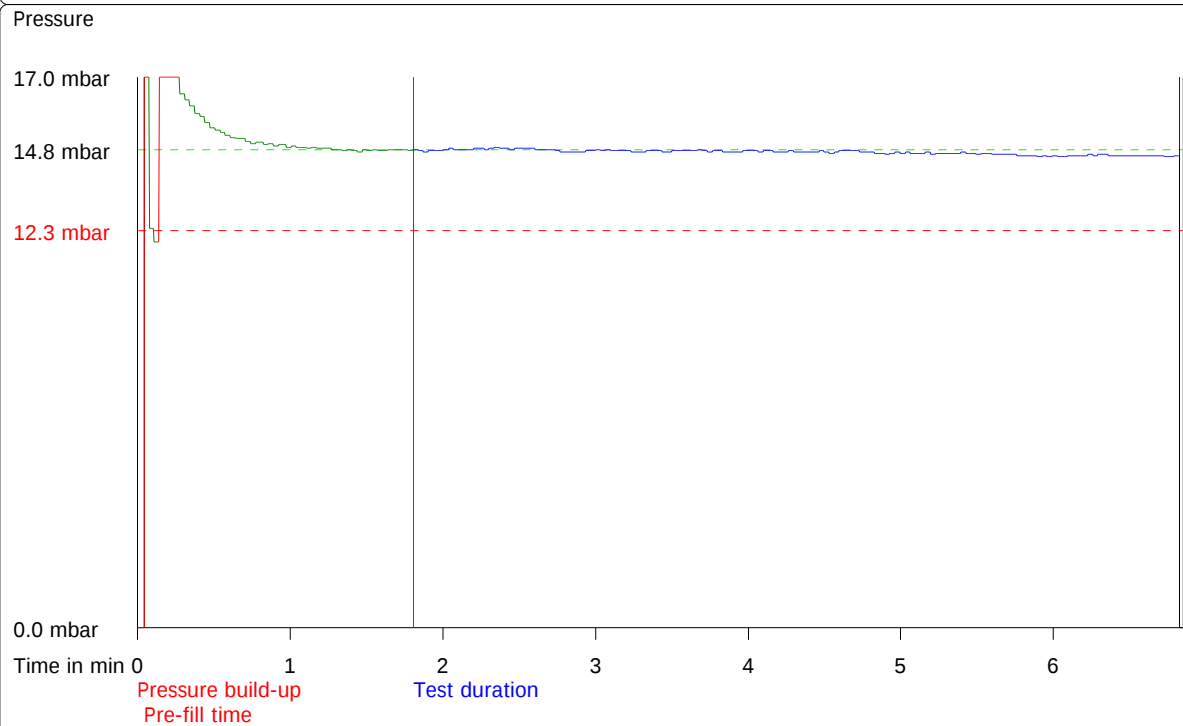
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Pressure test report Pipe - Air/EN 1610



Location	: WAREHOUSE	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F2.01
Tester	: COLIN FITZPATRICK	to manhole	: F2.02
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 24.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 02:28:56 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: F2.01
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 14.8 mbar	Pre-fill time	: 1:46 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:02 min
Act. pressure loss	: -0.2 mbar	Result	: Passed

Testing contractor

Client

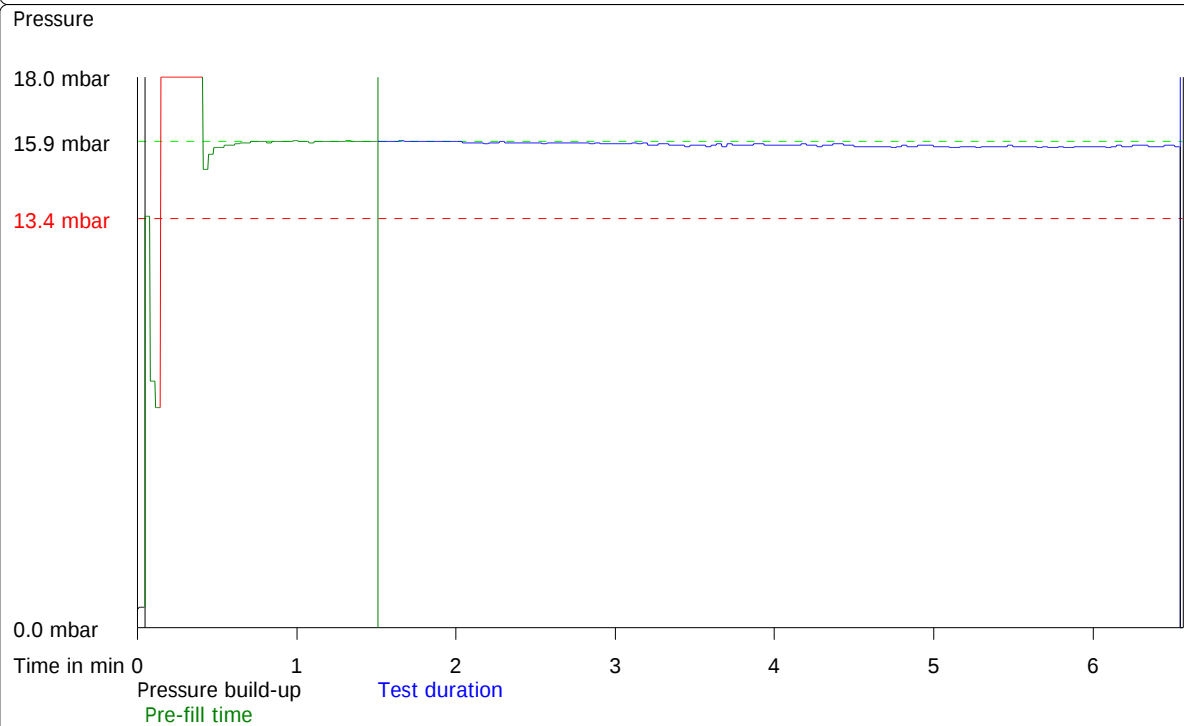
Order no.: 284 Test no.: 7



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Pressure test report Pipe - Air/EN 1610



Location	: WAREHOUSE	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F2.01
Tester	: COLIN FITZPATRICK	to manhole	: F2.00
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 25.5 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 02:45:09 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: F2.01
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 15.9 mbar	Pre-fill time	: 1:28 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:03 min
Act. pressure loss	: -0.2 mbar	Result	: Passed

Testing contractor

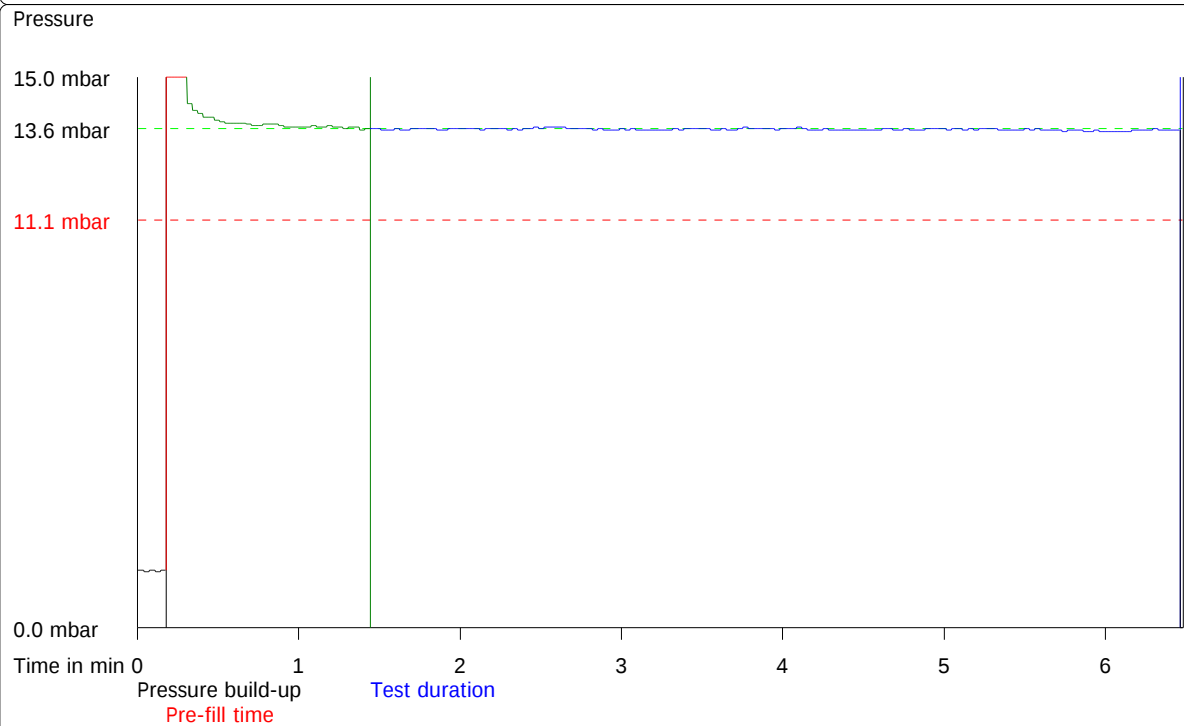
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Pressure test report Pipe - Air/EN 1610



Location	: WAREHOUSE	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F2.00
Tester	: COLIN FITZPATRICK	to manhole	: FAJ1
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 17.5 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 03:04:15 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: F2.00
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 13.6 mbar	Pre-fill time	: 1:16 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:02 min
Act. pressure loss	: -0.1 mbar	Result	: Passed

Testing contractor

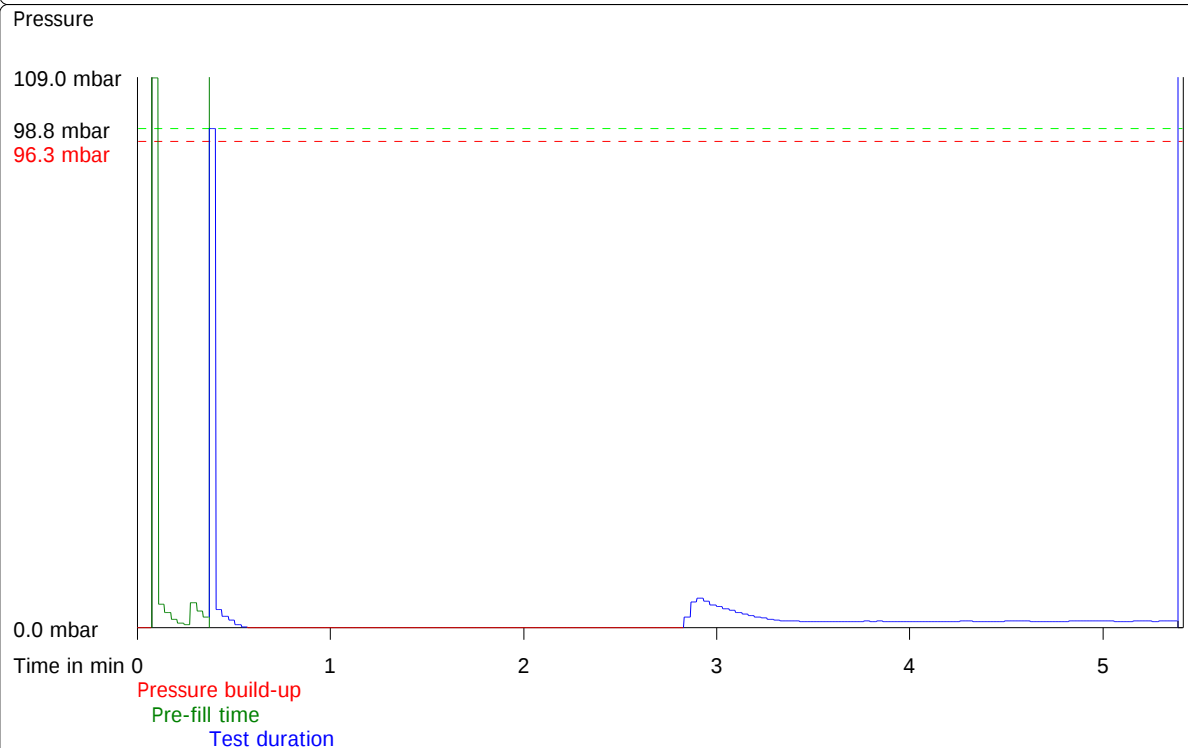
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Pressure test report Pipe - Air/EN 1610



Location	: VILLAGE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: AJ1
Tester	: COLIN FITZPATRICK	to manhole	: AJ2
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 26.5 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 03:47:27 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: AJ1
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 98.8 mbar	Pre-fill time	: 0:18 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:02 min
Act. pressure loss	: -100.0 mbar	Result	: Failed

Testing contractor

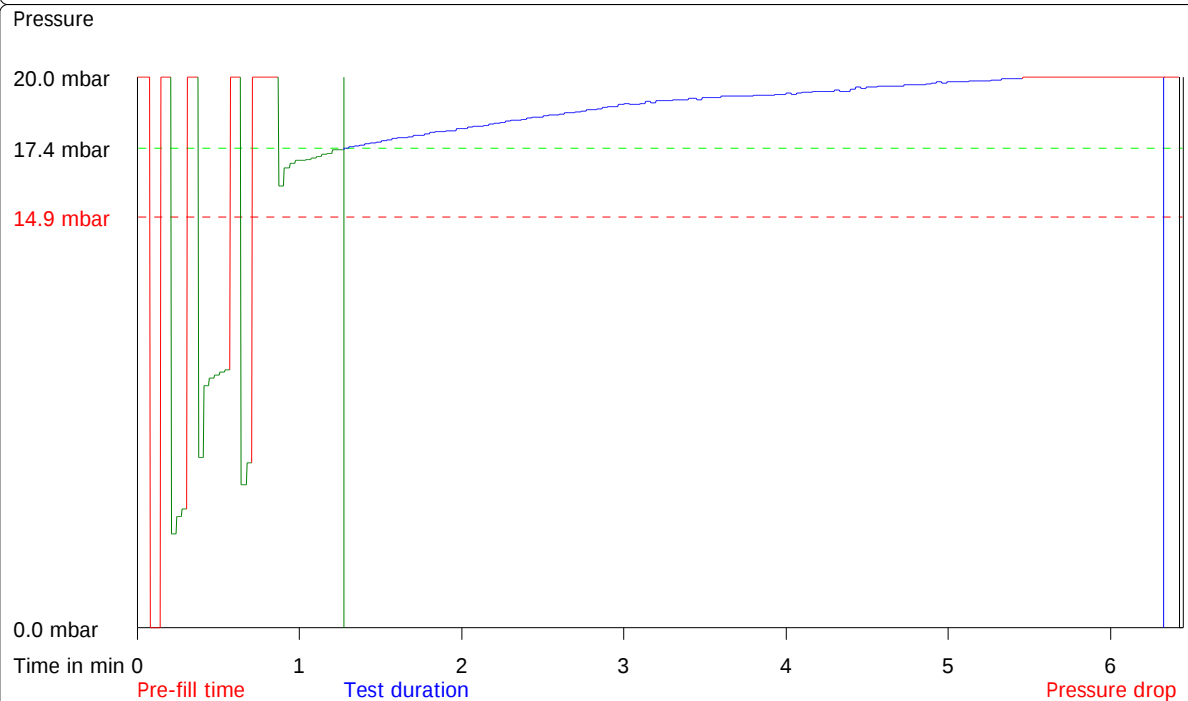
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Pressure test report Pipe - Air/EN 1610



Location	: VILLAGE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: AJ2
Tester	: COLIN FITZPATRICK	to manhole	: AJ3
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 1.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 03:59:32 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: AJ2
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 17.4 mbar	Pre-fill time	: 1:17 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:04 min
Act. pressure loss	: 0.0 mbar	Result	: Passed

Testing contractor

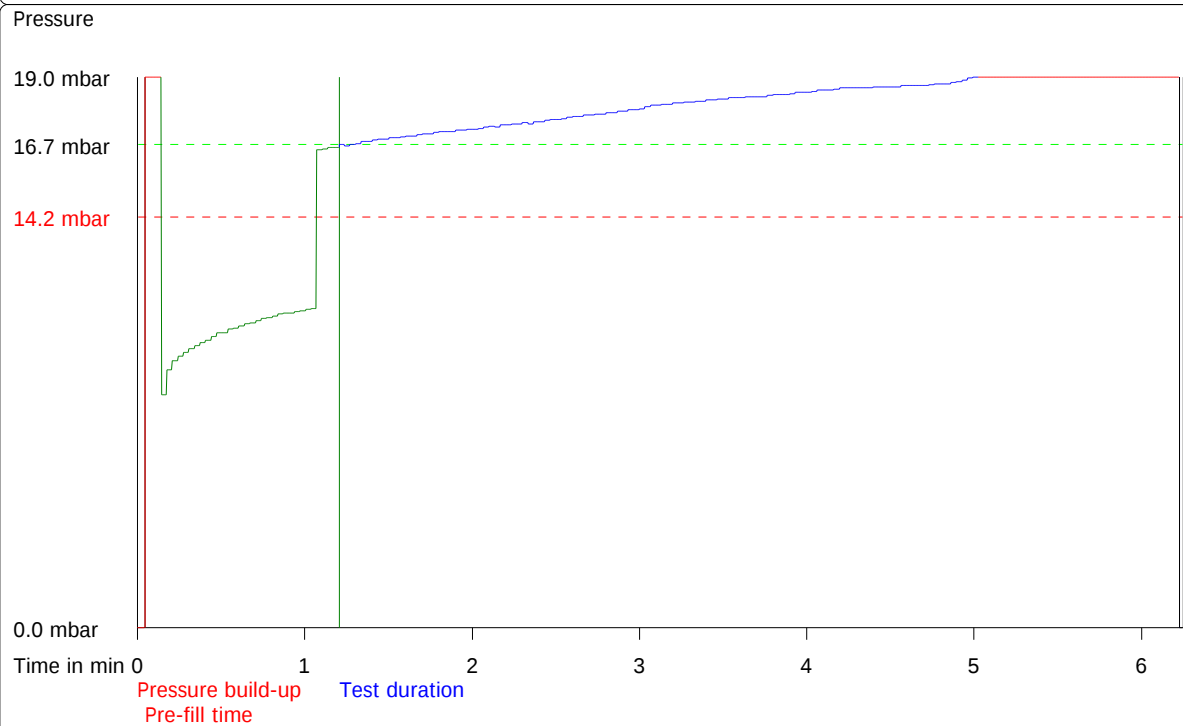
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Pressure test report Pipe - Air/EN 1610



Location	: VILLAGE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: AJ3
Tester	: COLIN FITZPATRICK	to manhole	: AJ4
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 2.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 04:18:00 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: AJ3
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 16.7 mbar	Pre-fill time	: 1:10 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:02 min
Act. pressure loss	: 0.0 mbar	Result	: Passed

Testing contractor

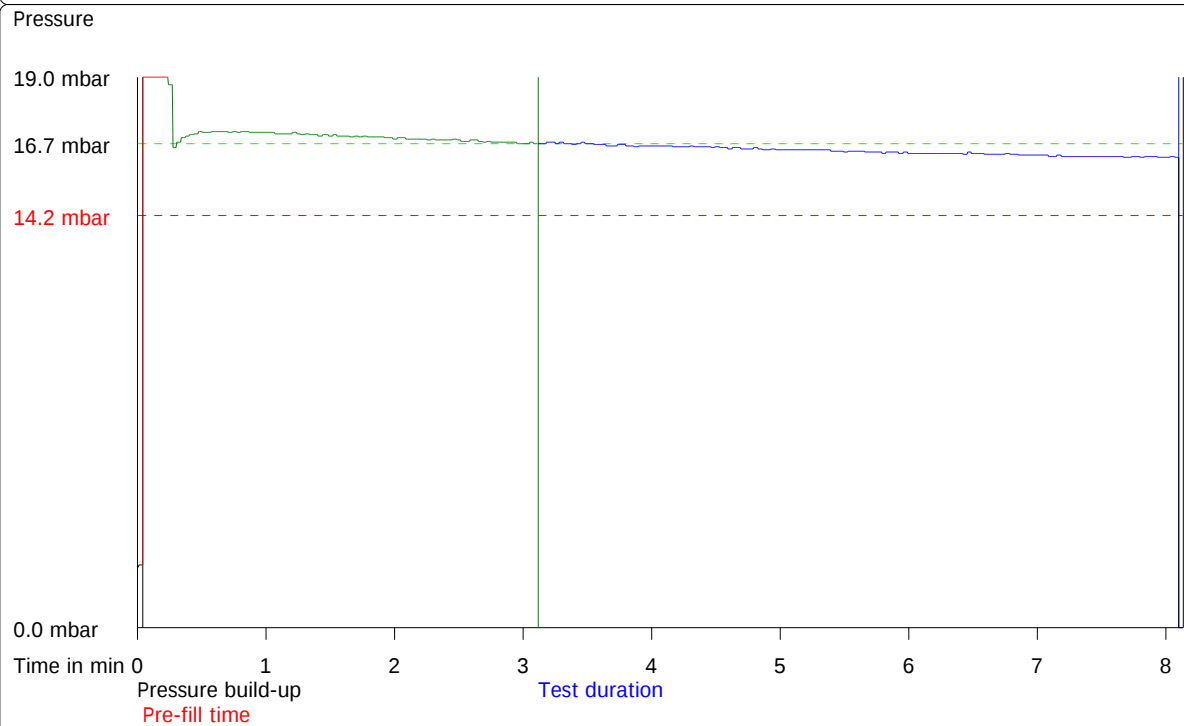
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Pressure test report Pipe - Air/EN 1610



Location	: VILLAGE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: AJ4
Tester	: COLIN FITZPATRICK	to manhole	: AJ5
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 12.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 04:35:39 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: AJ4
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 16.7 mbar	Pre-fill time	: 3:05 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:00 min
Act. pressure loss	: -0.5 mbar	Result	: Passed

Testing contractor

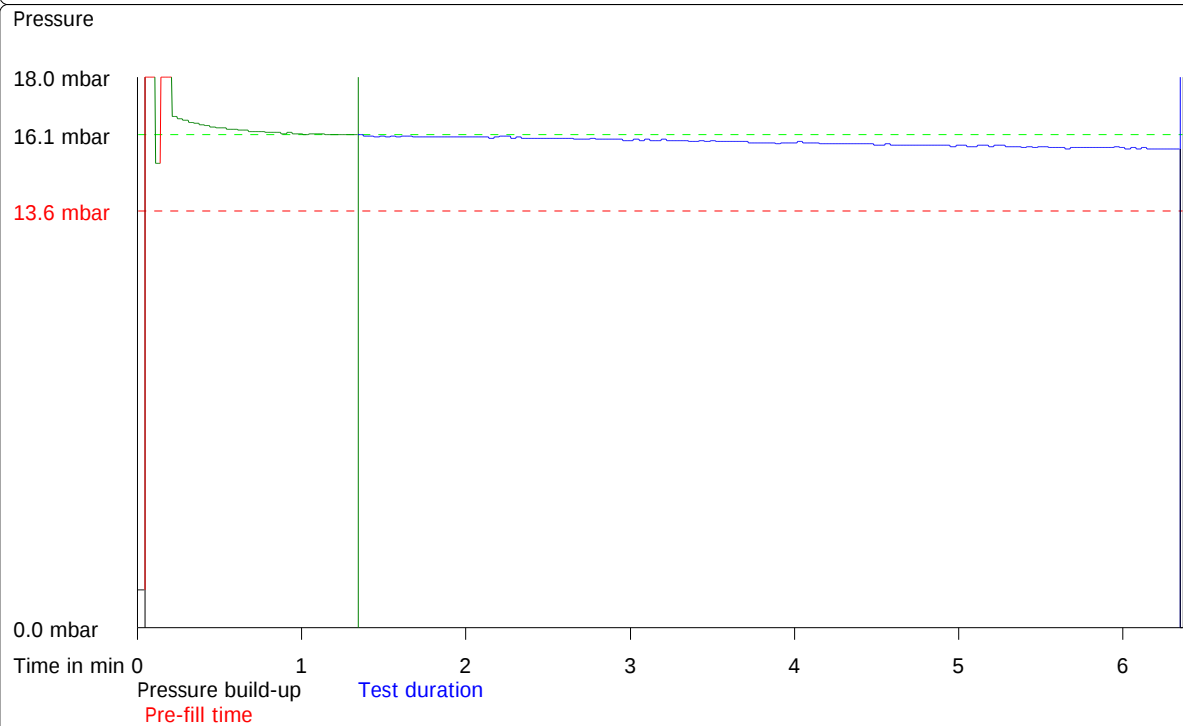
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Pressure test report Pipe - Air/EN 1610



Location	: VILLAGE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: MH1
Tester	: COLIN FITZPATRICK	to manhole	: AJ5
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 5.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/15 04:51:56 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: MH1
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 16.1 mbar	Pre-fill time	: 1:18 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -0.4 mbar	Result	: Passed

Testing contractor

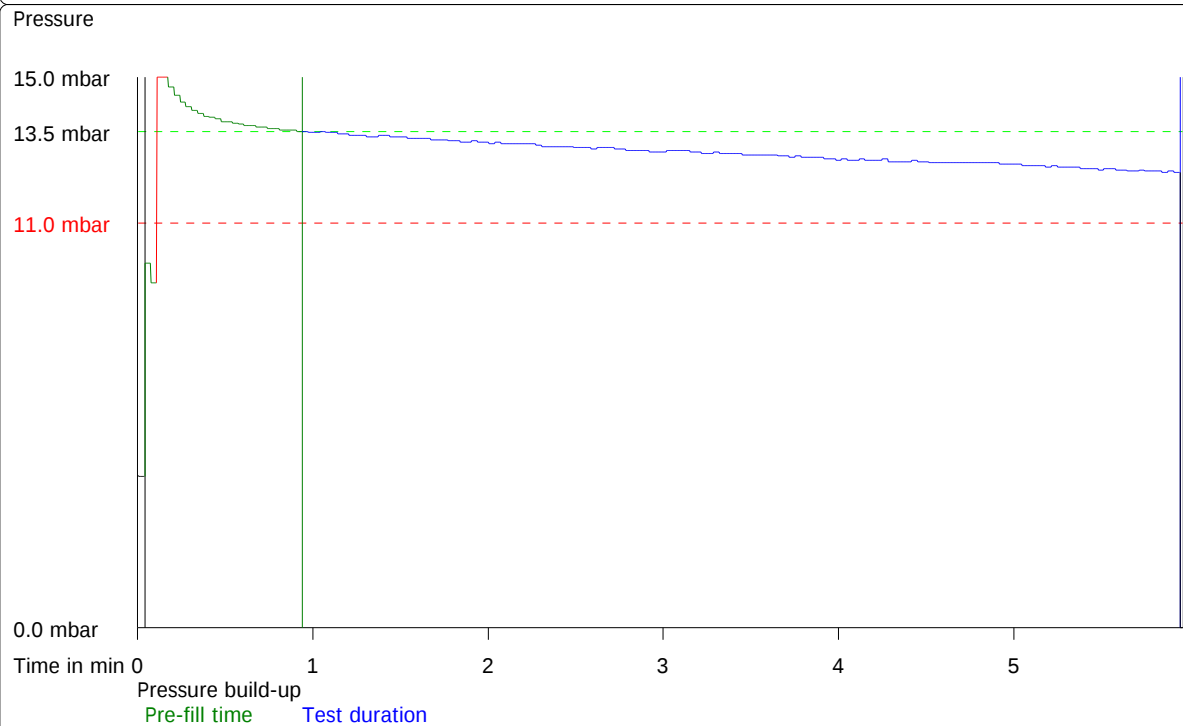
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Pressure test report Pipe - Air/EN 1610



Location	: GATEHOUSE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: FAJ3
Tester	: COLIN FITZPATRICK	to manhole	: FAJ4
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 10.3 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/16 08:57:24 AM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: FAJ3
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 13.5 mbar	Pre-fill time	: 0:54 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -1.1 mbar	Result	: Passed

Testing contractor

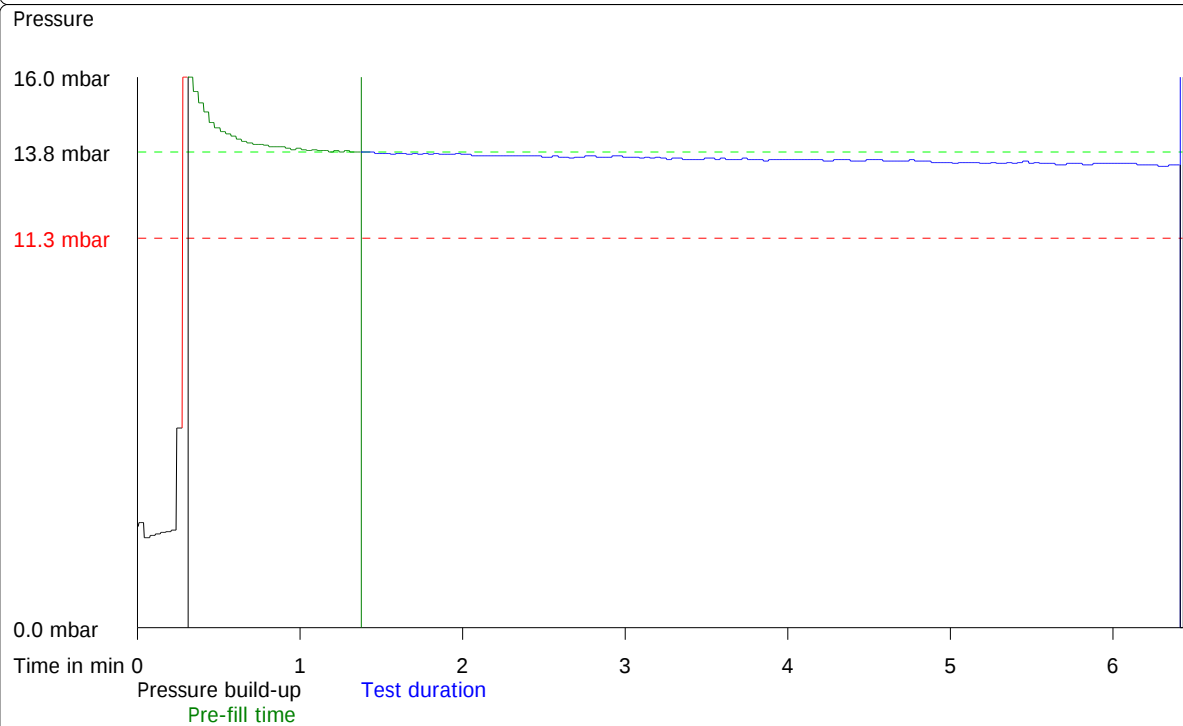
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Pressure test report Pipe - Air/EN 1610



Location	: GATEHOUSE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: FAJ2
Tester	: COLIN FITZPATRICK	to manhole	: FAJ3
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 1.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/16 09:11:01 AM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: FAJ2
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 13.8 mbar	Pre-fill time	: 1:04 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:03 min
Act. pressure loss	: -0.4 mbar	Result	: Passed

Testing contractor

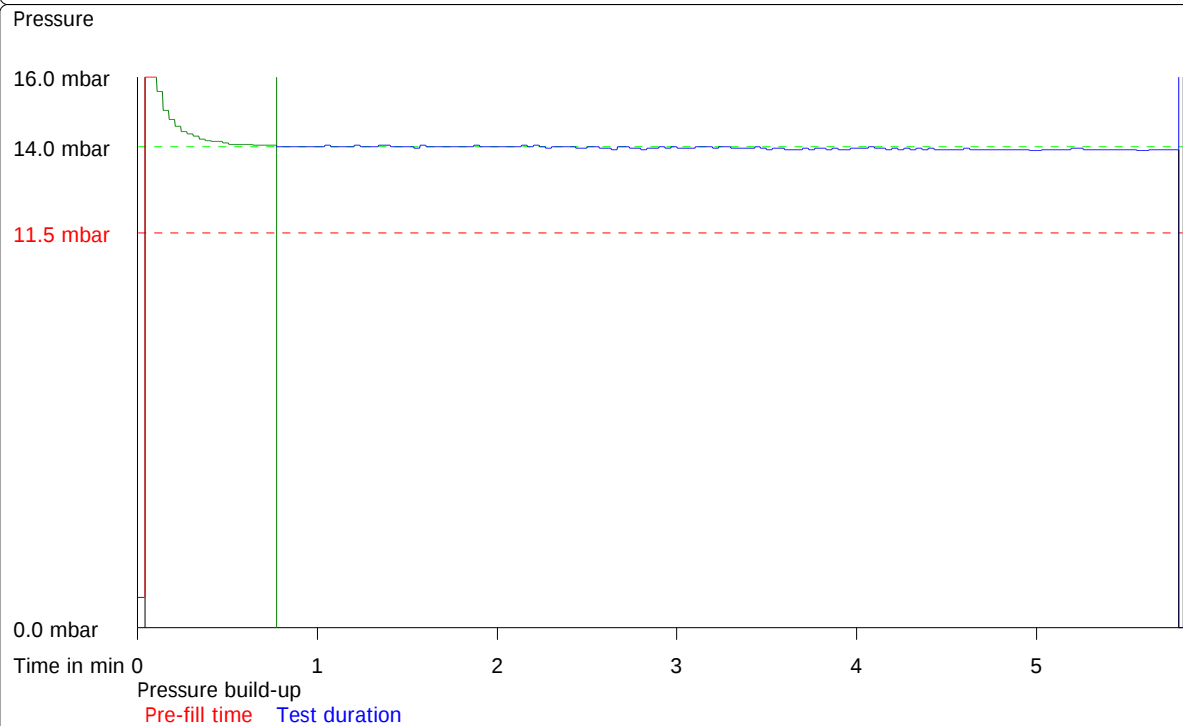
Client



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Pressure test report Pipe - Air/EN 1610



Location	: GATEHOUSE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: FAJ4
Tester	: COLIN FITZPATRICK	to manhole	: F3.00
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 20.7 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/16 09:26:58 AM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: FAJ4
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 14.0 mbar	Pre-fill time	: 0:44 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:02 min
Act. pressure loss	: -0.1 mbar	Result	: Passed

Testing contractor

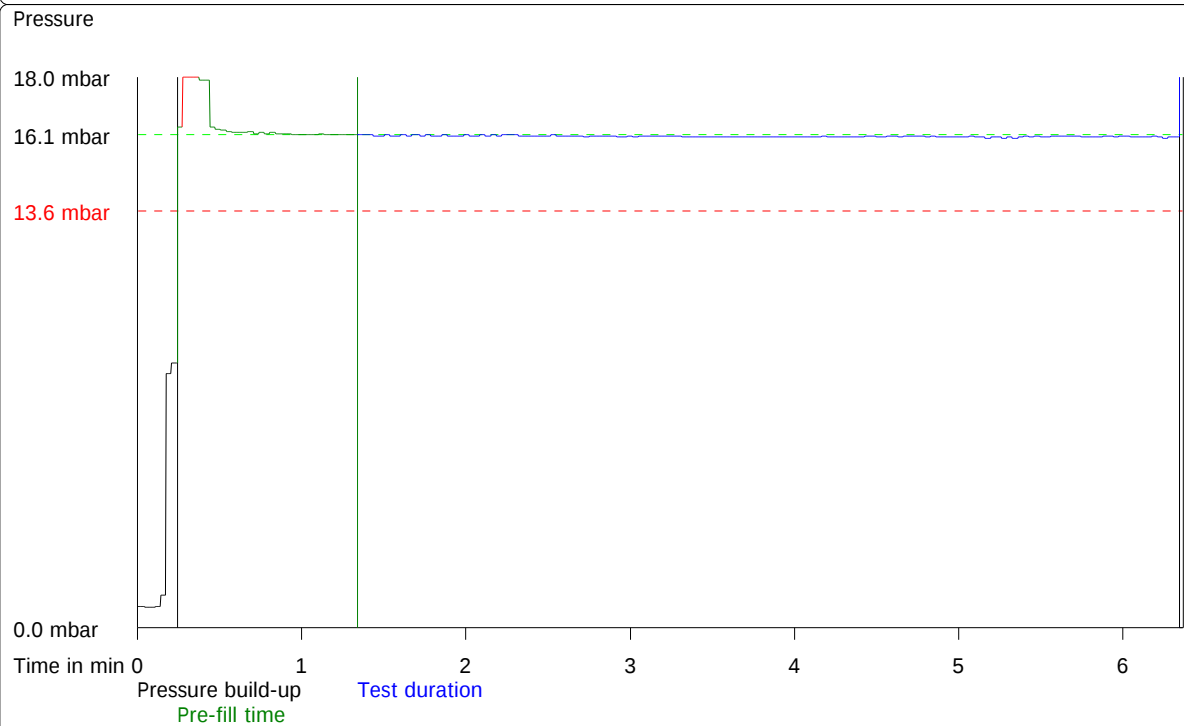
Client



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Client:
INDAVER IRELAND

Pressure test report Pipe - Air/EN 1610



Location	: GATEHOUSE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: F3.00
Tester	: COLIN FITZPATRICK	to manhole	: SEPTIC TANK2
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 22.5 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/16 09:41:02 AM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: F3.00
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 16.1 mbar	Pre-fill time	: 1:06 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -0.1 mbar	Result	: Passed

Testing contractor

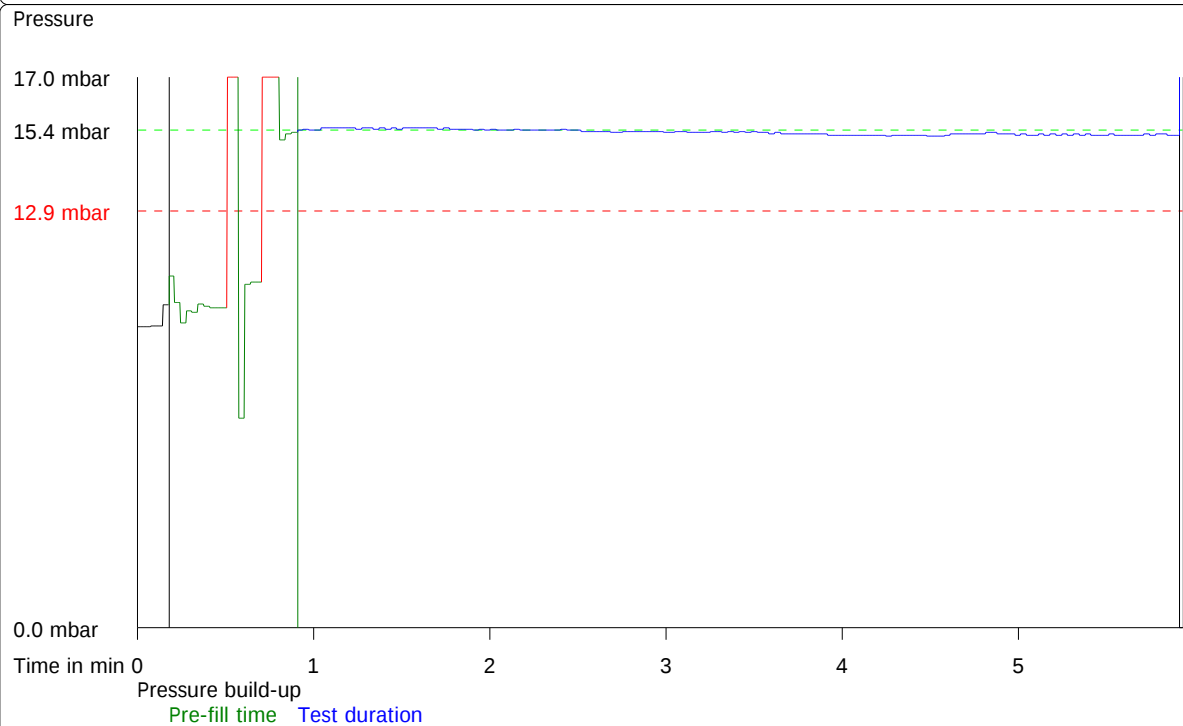
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Client:
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Pressure test report Pipe - Air/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH	Section no.:	: FOUL
Street	: NONE	from manhole	: FAJ5
Tester	: COLIN FITZPATRICK	to manhole	: SEPTIC TANK1
Test equipment	: MASTERTEST® SN:131009	Length of test section	: 21.0 m
Order no.	: 284	Pipe profile	: Circle
Test date	: 2021/04/16 04:43:17 PM	Diameter	: 100 mm
Test method	: Air/EN 1610	Pipe no.	: FAJ5
Test category	: Air LA	Internal protection	: without
Test section	: Pipe		
Material	: PVC		
Remark	:		
Sensor	: PMC131 -300 - +300 mbar, SN: 89096E01052	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 15.4 mbar	Pre-fill time	: 0:44 min
Permiss. pressure loss	: 2.5 mbar	Test duration	: 5:01 min
Act. pressure loss	: -0.2 mbar	Result	: Passed

Testing contractor

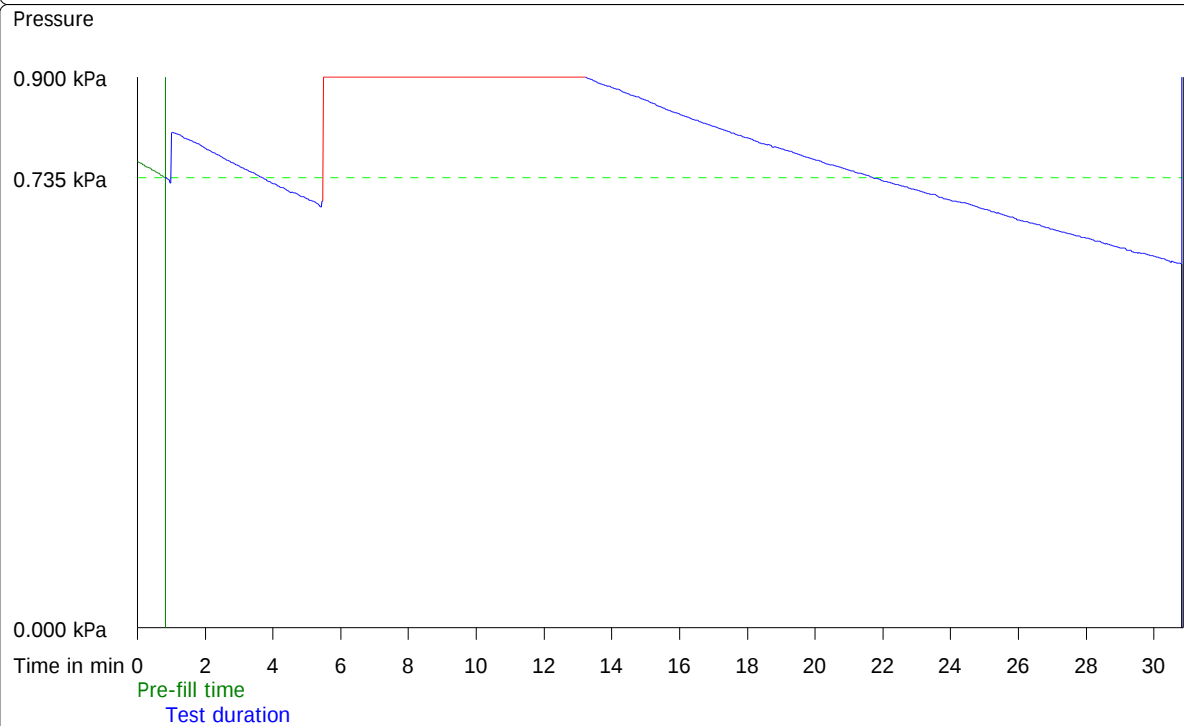
Client



- Lismagratty, Cootehill Road, Cavan - Tel : 1890 66 33 33

Client:
INDAVER IRELAND

Pressure test report Manhole - Water/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 09:24:50 AM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F1.00
Material	: Concrete (wet)	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 0.735 kPa Measuring from top	Pre-fill time	: 0:50 min
Permiss. addition of water	: 1194.0 ml	Test duration	: 30:02 min
Act. water addition	: 5000.0 ml	Result	: Failed

Testing contractor

Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface:	5.81 m ²	Wetted surface area up to fill level:	2.99 m ²
Total volume:	1.26 m ³	Volume at full height:	0.55 m ³
	0.90 m		

Manhole 1

Manhole no.

F1.00

Fill level 1

0.70 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data



Intermediate plate

Height	0.80 m
Diameter	1000 mm
Side 2	0 mm

Manhole body

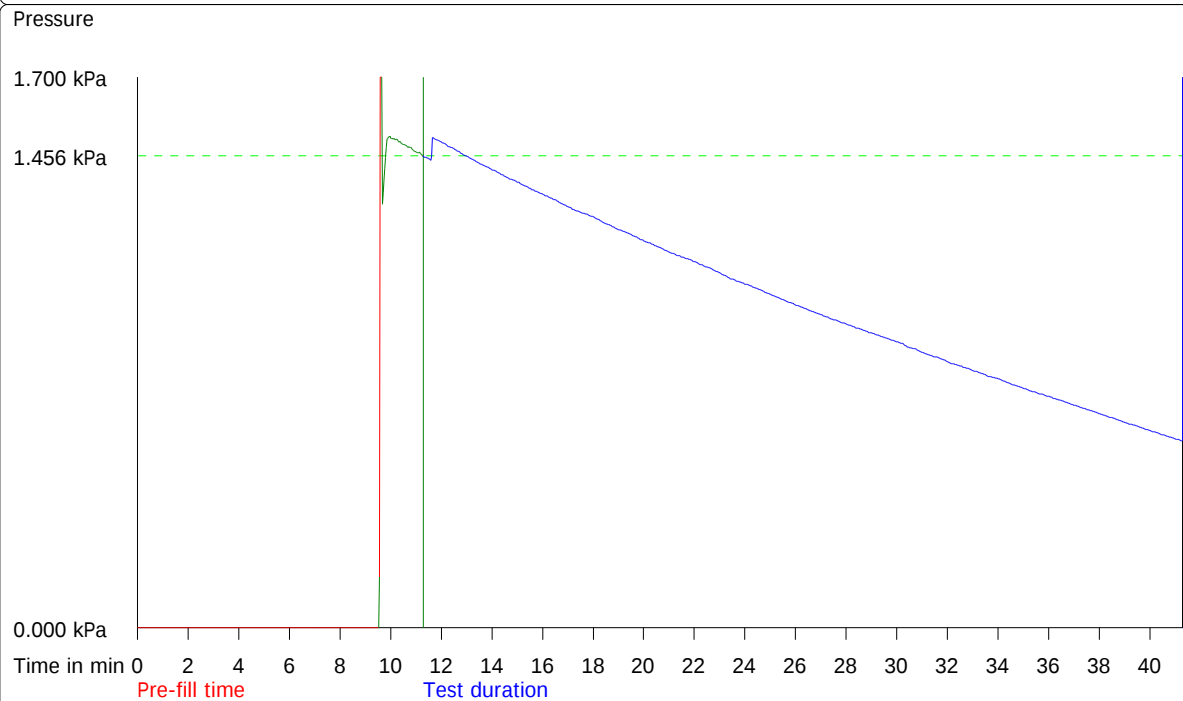
Body shape	Cylindrical/upright
Height	0.80 m
Diameter:	1000 mm



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Client:
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Pressure test report Manhole - Water/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 10:33:11 AM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F1.01
Material	: Concrete (wet)	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 1.456 kPa Measuring from top	Pre-fill time	: 11:17 min
Permiss. addition of water	: 3166.8 ml	Test duration	: 30:02 min
Act. water addition	: 4000.0 ml	Result	: Failed

Testing contractor-----
Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface:	15.46 m ²	Wetted surface area up to fill level:	7.92 m ²
Total volume:	4.30 m ³	Volume at full height:	2.04 m ³
	2.00 m		

Manhole 1

Manhole no.

F1.01

Fill level 1

1.80 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data



Intermediate plate

Height 1.90 m

Diameter 1200 mm

Side 2 0 mm

Manhole body

Body shape Cylindrical/upright

Height 1.90 m

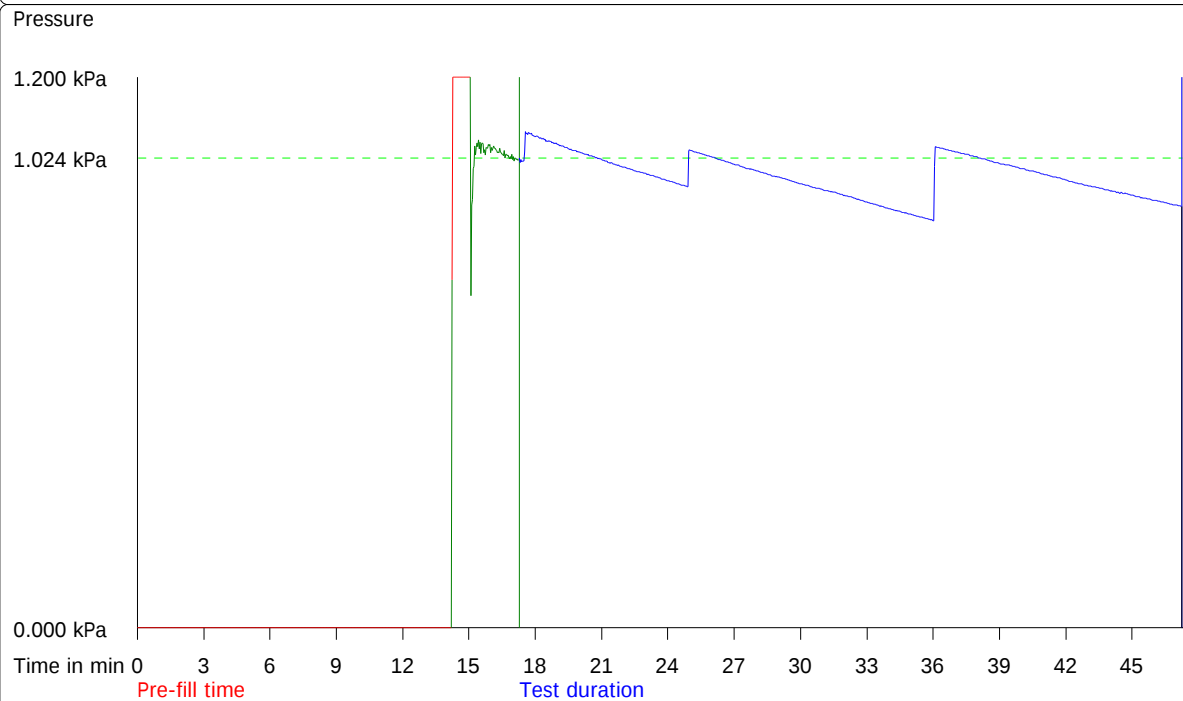
Diameter: 1200 mm



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Client:
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Pressure test report Manhole - Water/EN 1610



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3001
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 11:25:29 AM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F1.02
Material	: Concrete (wet)	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 1.024 kPa Measuring from top	Pre-fill time	: 17:18 min
Permiss. addition of water	: 4222.4 ml	Test duration	: 30:01 min
Act. water addition	: 6000.0 ml	Result	: Failed

Testing contractor-----
Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface:	20.74 m ²	Wetted surface area up to fill level:	10.56 m ²
Total volume:	5.88 m ³	Volume at full height:	2.83 m ³
	2.70 m		

Manhole 1

Manhole no.

F1.02

Fill level 1

2.50 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data

☐ Intermediate plate		Manhole body	
Height	2.60 m	Body shape	Cylindrical/upright
Diameter	1200 mm	Height	2.60 m
Side 2	0 mm	Diameter:	1200 mm

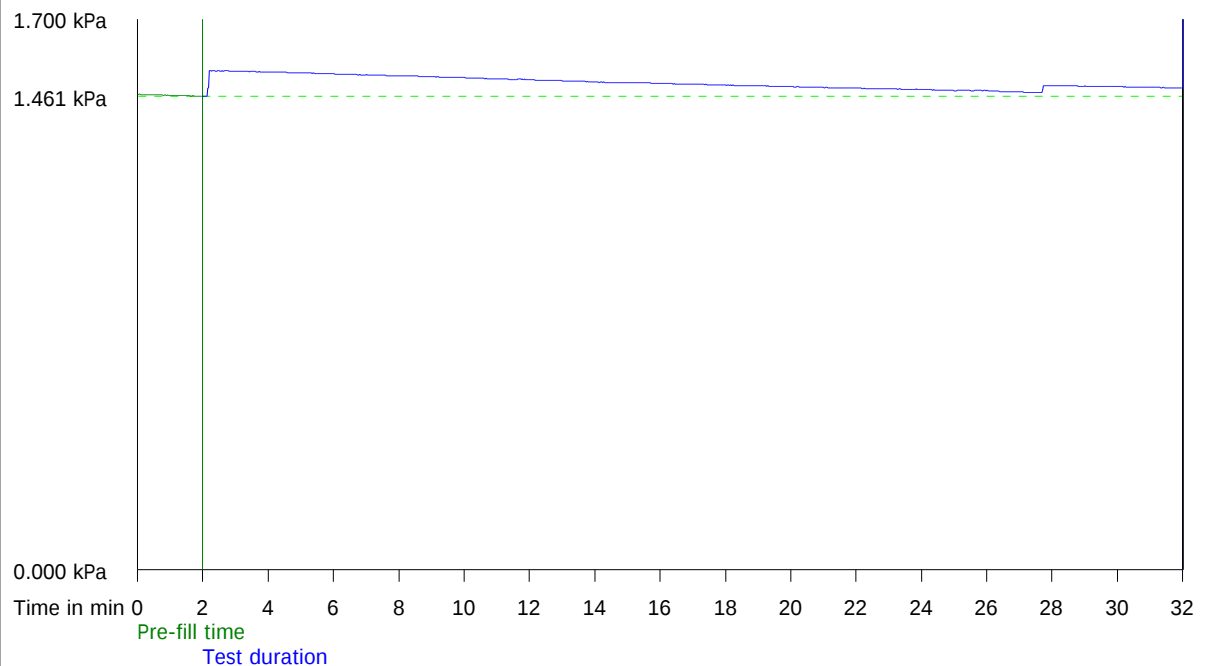


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Client:
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Pressure test report Manhole - Water/EN 1610

Pressure



Location	: ADMIN	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 12:39:50 PM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F1.03
Material	: Concrete (wet)	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 1.461 kPa Measuring from top	Pre-fill time	: 1:59 min
Permiss. addition of water	: 4976.4 ml	Test duration	: 30:02 min
Act. water addition	: 3000.0 ml	Result	: Passed

Testing contractor

Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface:	24.50 m ²	Wetted surface area up to fill level:	12.44 m ²
Total volume:	7.01 m ³	Volume at full height:	3.39 m ³
	3.20 m		

Manhole 1

Manhole no.

F1.03

Fill level 1

3.00 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data

☐ Intermediate plate

Height	3.10 m
Diameter	1200 mm
Side 2	0 mm

Manhole body

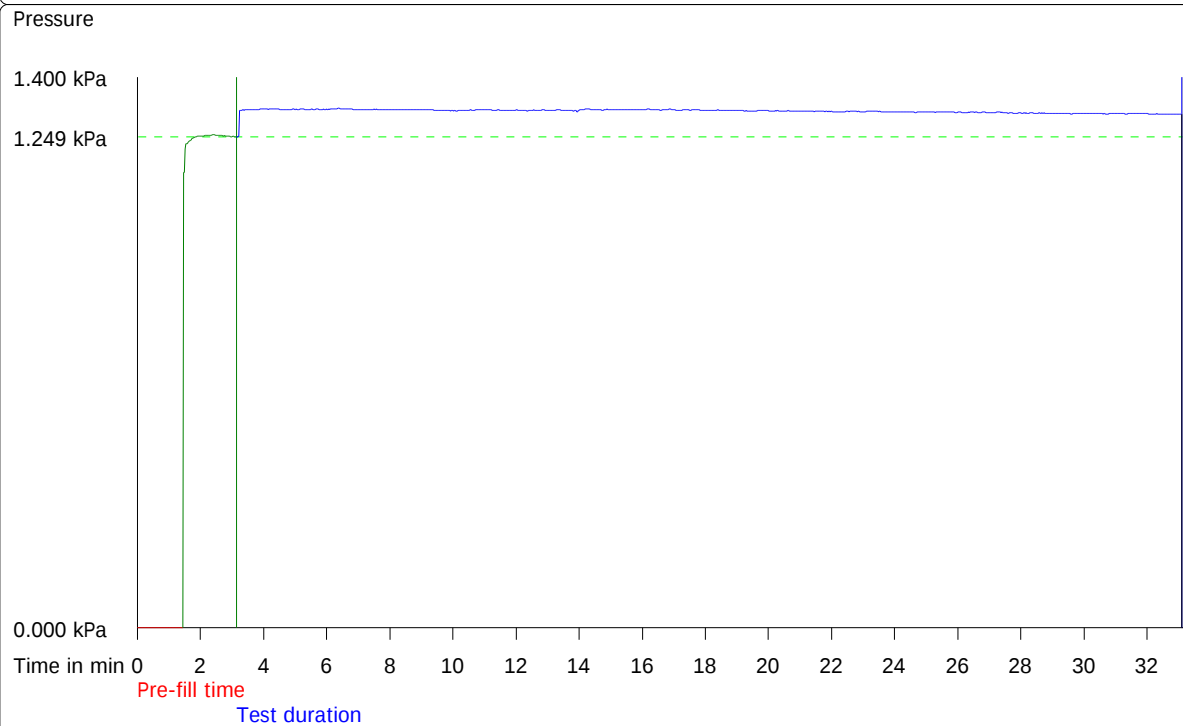
Body shape	Cylindrical/upright
Height	3.10 m
Diameter:	1200 mm



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Client:
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Pressure test report Manhole - Water/EN 1610



Location	: WAREHOUSE	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 02:39:10 PM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F2.01
Material	: Concrete (wet)	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 1.249 kPa Measuring from top	Pre-fill time	: 3:09 min
Permiss. addition of water	: 1960.4 ml	Test duration	: 30:00 min
Act. water addition	: 1000.0 ml	Result	: Passed

Testing contractor

Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface:	10.18 m ²	Wetted surface area up to fill level:	4.90 m ²
Total volume:	2.71 m ³	Volume at full height:	1.13 m ³
	1.40 m		

Manhole 1

Manhole no.

F2.01

Fill level 1

1.00 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data

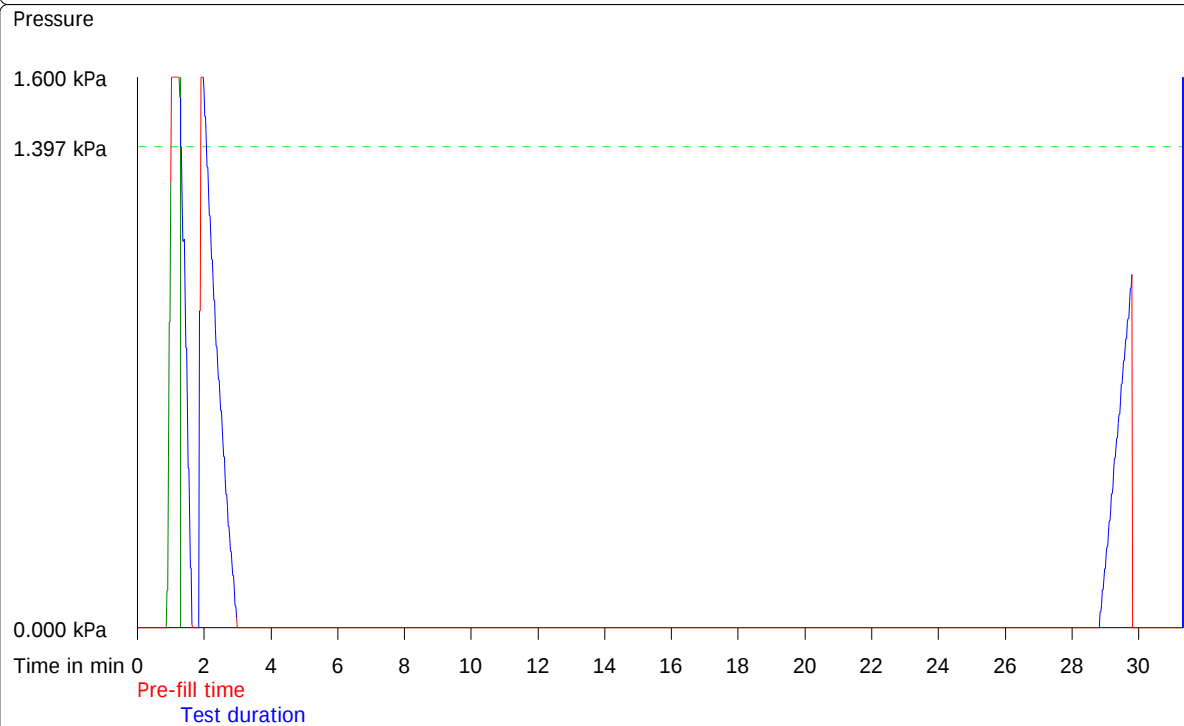
☐ Intermediate plate		Manhole body	
Height	1.20 m	Body shape	Cylindrical/upright
Diameter	1200 mm	Height	1.20 m
Side 2	0 mm	Diameter:	1200 mm



- Lismagratty, Cootehill Road, Cavan - Tel : 1890 66 33 33

Client:
INDAVER IRELAND

Pressure test report Manhole - Water/EN 1610



Location	: WAREHOUSE	Drawing No.	: 2512-AB-CSA-3002
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 03:18:07 PM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F2.00
Material	: PVC	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 1.397 kPa Measuring from top	Pre-fill time	: 1:17 min
Permiss. addition of water	: 367.6 ml	Test duration	: 30:03 min
Act. water addition	: 5000.0 ml	Result	: Failed

Testing contractor

Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface:	1.77 m ²	Wetted surface area up to fill level:	0.92 m ²
Total volume:	0.13 m ³	Volume at full height:	0.06 m ³
	0.90 m		

Manhole 1

Manhole no.

F2.00

Fill level 1

0.90 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data



Intermediate plate

Height	0.90 m
Diameter	300 mm
Side 2	0 mm

Manhole body

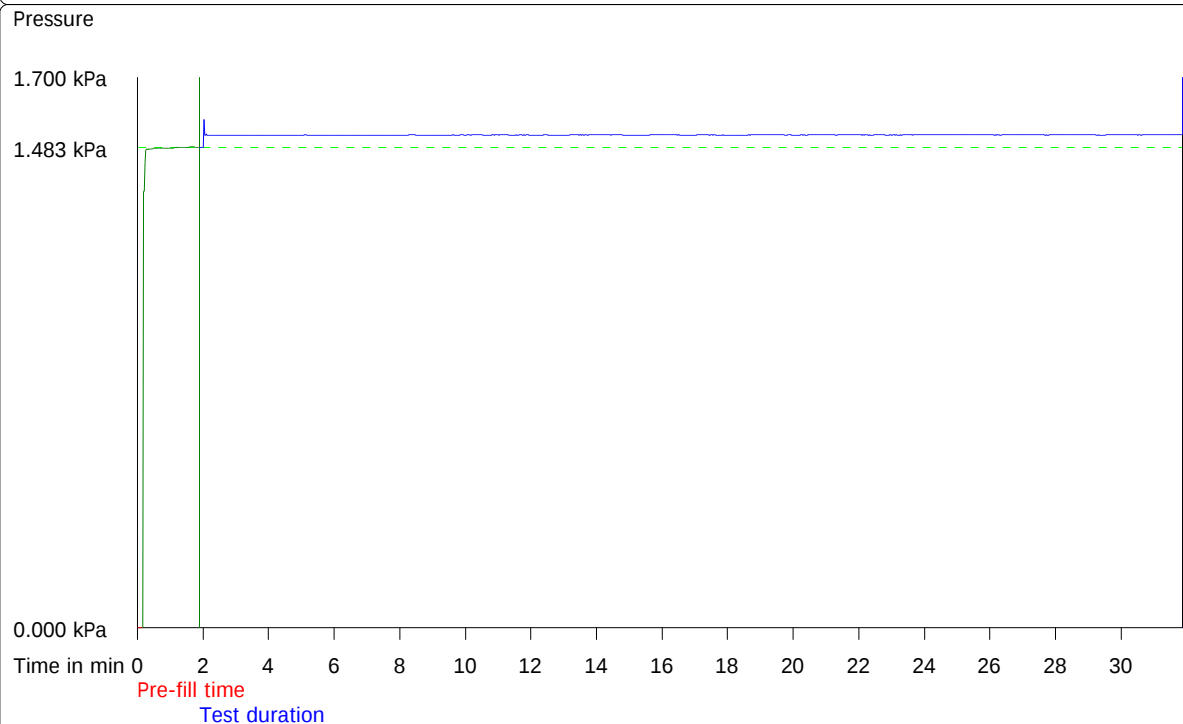
Body shape	Cylindrical/upright
Height	0.90 m
Diameter:	300 mm



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Client:
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Pressure test report Manhole - Water/EN 1610



Location	: GATE HOUSE	Drawing No.	: 2512-AB-CSA-3004
Location	: DULEEK, CO. MEATH		
Street	: NONE		
Tester	: COLIN FITZPATRICK		
Test equipment	: MASTERTEST® SN:131009		
Order no.	: 284		
Test date	: 2021/04/20 03:53:14 PM		
Test method	: Water/EN 1610		
Test category	: Water		
Test section	: Manhole	Manhole no.	: F3.00
Material	: Concrete (wet)	Internal protection	: without
Remark	:		
Sensor	: FMX167 0 - 100 mbar, SN: L603D80108E	Sensor test	: 2019/03/25
Approval	:		

Test pressure	: 1.483 kPa Measuring from top	Pre-fill time	: 1:53 min
Permiss. addition of water	: 1809.6 ml	Test duration	: 30:01 min
Act. water addition	: 1000.0 ml	Result	: Passed

Testing contractor

Client

Manhole report

The manhole system is composed of 1 Manhole

Total surface: 8.67 m²Wetted surface area up to fill level: 4.52 m²Total volume: 2.26 m³
1.10 mVolume at full height: 1.02 m³

Manhole 1

Manhole no.

F3.00

Fill level 1

0.90 m



Setup A1 - A0

with intermediate plate

Manhole body Cylindrical/upright

Manhole body data

☐ Intermediate plateHeight 1.00 m
Diameter 1200 mm
Side 2 0 mm

Manhole body

Body shape Cylindrical/upright
Height 1.00 m
Diameter: 1200 mm

Pipe Air/Vacuum
Diameter**Manhole****Test**

100

<i>Test no.</i>	<i>Section no.</i>	<i>from</i>	<i>Location</i>	<i>Standard</i>	<i>Test pressure in mbar</i>	<i>Pressure loss</i>
<i>Test date</i>	<i>No.</i>	<i>to</i>	<i>Street</i>	<i>Procedure</i>	<i>Length in m</i>	<i>Result</i>
6	FOUL	F2.01	DULEEK,CO.MEATH	EN 1610	10	-0.19
2021/04/15 02:28:56 PM	F2.01	F2.02	NONE	Air LA	24.0	Passed
7	FOUL	F2.01	DULEEK,CO.MEATH	EN 1610	10	-0.19
2021/04/15 02:45:09 PM	F2.01	F2.00	NONE	Air LA	25.5	Passed
8	FOUL	F2.00	DULEEK,CO.MEATH	EN 1610	10	-0.11
2021/04/15 03:04:15 PM	F2.00	FAJ1	NONE	Air LA	17.5	Passed
9	FOUL	AJ1	DULEEK,CO.MEATH	EN 1610	10	-99.98
2021/04/15 03:47:27 PM	AJ1	AJ2	NONE	Air LA	26.5	Failed
10	FOUL	AJ2	DULEEK,CO.MEATH	EN 1610	10	0.00
2021/04/15 03:59:32 PM	AJ2	AJ3	NONE	Air LA	1.0	Passed
11	FOUL	AJ3	DULEEK,CO.MEATH	EN 1610	10	0.00
2021/04/15 04:18:00 PM	AJ3	AJ4	NONE	Air LA	2.0	Passed
12	FOUL	AJ4	DULEEK,CO.MEATH	EN 1610	10	-0.49
2021/04/15 04:35:39 PM	AJ4	AJ5	NONE	Air LA	12.0	Passed
13	FOUL	MH1	DULEEK,CO.MEATH	EN 1610	10	-0.41
2021/04/15 04:51:56 PM	MH1	AJ5	NONE	Air LA	5.0	Passed
14	FOUL	FAJ3	DULEEK,CO.MEATH	EN 1610	10	-1.12
2021/04/16 08:57:24 AM	FAJ3	FAJ4	NONE	Air LA	10.3	Passed
15	FOUL	FAJ2	DULEEK,CO.MEATH	EN 1610	10	-0.38
2021/04/16 09:11:01 AM	FAJ2	FAJ3	NONE	Air LA	1.0	Passed

16	FOUL	FAJ4	DULEEK,CO.MEATH	EN 1610	10	-0.15
2021/04/16 09:26:58 AM	FAJ4	F3.00	NONE	Air LA	20.7	Passed
17	FOUL	F3.00	DULEEK,CO.MEATH	EN 1610	10	-0.11
2021/04/16 09:41:02 AM	F3.00	SEPTIC TANK2	NONE	Air LA	22.5	Passed
18	FOUL	FAJ5	DULEEK,CO.MEATH	EN 1610	10	-0.19
2021/04/16 04:43:17 PM	FAJ5	SEPTIC TANK1	NONE	Air LA	21.0	Passed

Quantity

1 Failed

12 Passed

Total length in m:

189.00

150

1	FOUL	F1.00	DULEEK,CO.MEATH	EN 1610	10	-2.14
2021/04/15 11:27:16 AM	F1.00	F1.01	NONE	Air LA	50.5	Passed
2	FOUL	F1.02	DULEEK,CO.MEATH	EN 1610	10	-1.31
2021/04/15 11:56:01 AM	F1.02	F1.01	NONE	Air LA	68.0	Passed
3	FOUL	F1.03	DULEEK,CO.MEATH	EN 1610	10	-0.56
2021/04/15 12:06:40 PM	F1.03	SEPTIC TANK 1	NONE	Air LA	3.7	Passed
4	FOUL	F1.03	DULEEK,CO.MEATH	EN 1610	10	-0.56
2021/04/15 12:31:52 PM	F1.03	F1.02	NONE	Air LA	43.5	Passed
5	FOUL	F1.03	DULEEK,CO.MEATH	EN 1610	10	-0.34
2021/04/15 12:58:55 PM	F1.03	F2.02	NONE	Air LA	16.0	Passed

Quantity

5 Passed

Total length in m:

181.70

Manhole**Test**

<i>Test no. Test date</i>	<i>Manhole no.</i>	<i>Permiss. addition of water in ml Act. water addition in ml</i>	<i>Standard Procedure</i>	<i>Test pressure in mbar</i>	<i>Result</i>
24 2021/04/20 03:18:07 PM	F2.00	367.60 5000.00	EN 1610 Water	10	Failed
19 2021/04/20 09:24:50 AM	F1.00	1194.00 5000.00	EN 1610 Water	10	Failed
20 2021/04/20 10:33:11 AM	F1.01	3166.80 4000.00	EN 1610 Water	10	Failed
21 2021/04/20 11:25:29 AM	F1.02	4222.40 6000.00	EN 1610 Water	10	Failed
22 2021/04/20 12:39:50 PM	F1.03	4976.40 3000.00	EN 1610 Water	10	Passed
23 2021/04/20 02:39:10 PM	F2.01	1960.40 1000.00	EN 1610 Water	10	Passed
25 2021/04/20 03:53:14 PM	F3.00	1809.60 1000.00	EN 1610 Water	10	Passed

Quantity**3 Passed****4 Failed**